#### 263SESQ103GB.ST25 SEQUENCE LISTING

<110>	COMMISSARIAT A L'ENERGIE ATOMIQUE
	INSERM
	MARCHE, Patrice
	JOUVIN-MARCHE, Evelyne
	PASQUAL, Nicolas
<120>	METHOD FOR QUANTITATIVE EVALUATION OF A REARRANGEMENT OR A TARGETED GENETIC RECOMBINATION OF AN INDIVIDUAL AND USES THEREOF
<130>	BLO/clg-F0263/103
<150>	FR 0314289
<151>	2003-12-05
<160>	75
<170>	PatentIn version 3.1
<210>	1
<211>	26
<212>	DNA
<213>	Artificial sequence
<220>	
	PCR primer
<400> ggtcgt	1 tttt cttcattcct tagtcg 26
<210>	2
<211>	24

<212> DNA

<213> Artificial sequence

<220>		
<223>	PCR primer	
<400> tctctt	2 catc gctgctcatc ctcc	24
<210>	3	
	22	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
	3 tccc attttccact cg	22
ccccc	acced acceded eg	22
<210>	4	
<211>	26	
<212>	DNA	
<213>	Artificial sequence	
<220>		
	PCR primer	
<400> gcactt	4 acac agacagctcc tccacc	26
<210>	5	
<211>	22	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> caggag	5 gaac cagagcccag tc	22
<210>	6	
<211>	23	
<b>∠212</b> √	DNA	

<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> tggagt	6 aggg cagggaggac agt	23
<210>	7	
<211>	27	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> ggctgg	7 gaag tttggtgata tagtgtc	27
<210>	8	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> agcagc	8 caaa tccttcagtc tcaa	24
<210>	9	
<211>	28	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> aagacaa	9 aaaa ctccccatt gtgaaata	28
<210>	10	

Page 3

<211>	28	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> gccctc	10 ctga aaatgtgtaa agaaatgt	28
<210>	11	
<211>	25	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> cttccc	11 ccac tcccttcaaa cttac	25
<210>	12	
<211>	·	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400>	12	
agcact	tgac ggcagcagca	20
<210>	13	
<211>	22	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> tgccccg	13 gaga cctgataacc aa	22

<210>	14	
<211>	25	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> tcagaa	14 caag ctggaggcaa ctagg	25
<210>	15	
<211>	27	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> ggaata	15 gaaa gcgactcact caccagg	27
<210>	16	
<211>	25	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> ccactt	16 ttag ctgagtgcct gtccc	25
<210>	17	
<211>	25	
<212>	DNA	
<213>	Artificial sequence	
<220>		

<223>	PCR primer	203020420342.5123	
<400> ctgtct	17 cctgc aatgatgaaa tggcc		25
<210>	18		
<211>	21		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	PCR primer		
<400> ggaaac	18 tctg ggcatgggca g		21
<210>	19		
<211>	22		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	PCR primer		
<400> actggg	19 cagg agattcggtt at		22
<210>	20		
<211>	25		
<212>	DNA	,	
<213>	Artificial sequence		
<220>			
<223>	PCR primer		
<400> cgcccc	20 agat taactgatag ttgct		25
<210>	21		
<211>	24		
<212>	DNA		
<213>	Artificial sequence		

<220>		
<223>	PCR primer	
<400>		
atacta	aggg caggtgaggc tcca	24
<210>	22	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	probe	
<400> tcgttt	22 ttct tcattcctta gtcg	24
<210>	23	
<211>	25	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	probe	
<400>		
atgaaa	caag accaaagact cactg	25
<210>	24	
<211>	19	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	probe	
<400> tgaccca	24 agct tgacagcca	19
<210>	25	
<211>	22	

# 263SESQ103GB.ST25 <212> DNA <213> Artificial sequence <220> <223> probe <400> 25 ggcaatcgct gaagacagaa ag 22 <210> 26 <211> 22 <212> DNA <213> Artificial sequence <220> <223> probe <400> 26 gagaacaggt gtaagtgccg cc 22 <210> 27 <211> 24 <212> DNA <213> Artificial sequence <220> <223> probe <400> 27 ttggattcac ggttaagaga gttc 24 <210> 28 <211> 24 <212> DNA <213> Artificial sequence <220> <223> probe <400> 28

24

tccagtccca aaggttaatt tctc

		263SESQ103GB.ST25	
<210>	29		
<211>	21		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		
<400> ccgaag	29 ttga gtgcataccc g		21
<210>	30		
<211>	25		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		
<400>	30		<b>3</b> F
Caaaac	caag gatggctaga aacac		25
<210>	31		
<211>	23		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		
<400> cttcca	31 aagt atagcctccc cag		23
<210>	32		
<211>	22		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		

<400>		2033E3Q1030B.3123	
	ittg tttcctcctc cc		22
<210>	33		
<211>	24		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		
<400>	33 agta agtgctctcc tgcc		24
	agea agegeeete egee		24
<210>	34		
<211>	22		
<212>	DNA		
<213>	Artificial sequence		
<220>			
	probe		
<400> cgggga	34 gaag tggaaactct gg		22
<210>	35		
<211>	24		
<212>	DNA		
<213>	Artificial sequence		
<220>			
<223>	probe		
<400> tcagag	35 ttat tccttttcca aatg	·	24
<210>	36		
<211>	25		
<212>	DNA		
<213>	Artificial sequence		

## 263SESQ103GB.ST25 <220> <223> probe <400> 36 cgccccagat taactgatag ttgct 25 <210> 37 <211> 19 <212> DNA <213> Artificial sequence <220> <223> probe <400> 37 ggtccctgct ccaaactgc 19 <210> 38 <211> 50 <212> DNA <213> Artificial sequence <220> <223> sequence amplified by PCR <400> 50 <210> 39 <211> 65 <212> DNA <213> Artificial sequence <220> <223> sequence amplified by PCR

<210> 40

ggggg

<211> 41

60

65

ccttttgagg agctccagat gaaagactct gcctcttacc tctgtgctgt gaggaatggg

#### 263SES0103GB, ST25

<212>	DNA	2033E3Q103G	5.5123		
<213>	Artificial sequence				
<220>					
<223>	sequence amplified by PCR				
<400>	40				
gcgatg	tatt tctgtgctta catgagcccg	9999999999	g		41
<210>	41				
<211>	328				
<212>	DNA				
<213>	Artificial sequence				
<220>					
<223>	sequence amplified by PCR				
<400>	41 gtat ctgatgatgt ctttgagaac	aggtataagt	accaccasas	2102201002	60
	tcct cagaacctga ctgcccagga				120
	agga ataagtgcct tacactggct				180
	tatg ctgagctcag ggaagaagaa				240
	aaag cacagctccc tgcacatcac				300
	tgct gtcagagggg gggggggg		cccagagacc	cigacycau	328
<b>9</b>	-3 33-5555 5555555				320
<210>	42				
<211>	44				
<212>	DNA				
<213>	Artificial sequence				
<220>					
<223>	sequence amplified by PCR				
<400>	42 ccgt gtactactgt cttctgggag	ataggggggg	aaaa		44
= 3 3	5 5gt 0110199949		2222		77
<210>	43				
<211>	162				
<212>	DNA				
<213>	Artificial sequence				

<220>		
<223>	sequence amplified by PCR	
<400> acctgg	43 pagca ggtctccagc ttgctgacgt atatttttc aaatatggac atgaaacaag	60
accaaa	gact cactgttcta ttgaataaaa aggataacat ctgtctctgc gcattgcaga	120
caccca	gact ggggactcag ctatctactt ctgtgcagag ag	162
<210>	44	
<211>	215	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	sequence amplified by PCR	
<220>		
<221>	misc_feature	
<222>	(22)(22)	
<223>	N= A,T,G ou C	
<220>		
<221>	misc_feature	
<222>	(80)(82)	
<223>	N= A,T,G ou C	
<220>		
<221>	misc_feature	
<222>	(89)(90)	
<223>	N= A,T,G ou C	
<220>		
<221>	misc_feature	
<222>	(146)(146)	
<223>	N= A,T,G ou C	

<220> <sub>.</sub>	
<221> misc_feature	
<222> (156)(156)	
<223> N= A,T,G ou C	
<220>	
<221> misc_feature	
<222> (160)(160)	
<223> N= A,T,G ou C	
<220>	
<221> misc_feature	
<222> (179)(179)	
<223> N= A,T,G ou C	
<220>	
<221> misc_feature	
<222> (186)(186)	
<223> N= A,T,G ou C	
<400> 44	
actactcatc gtctgtttca cngtatctct tctggtatgt gcaatacccc aaccaaggac	60
tccagcttct cctgaagtan nnatcaggnn ccaccctggt taaaggcatc aacggttttg	120
aggetgaatt taacaagagt gaaacnteet tecaentgan gaaaceetca geecatatna	180
gcgacncggc tgagtacttc tgtgctgtga gtgat	215
<210> 45	
<211> 163	
<212> DNA	
<213> Artificial sequence	
220	
<220>	
<223> sequence amplified by PCR <400> 45	
acctggagca ggtctccagt tgctgacgta tatttttca aatatggaca tgaaacaaga	60
ccaaagactc actgttctat tgaataaaaa ggataaacat ctgtctctgc gcattgcaga Page 14	120

caccca	agact ggggactcag ctatctactt ctgtgcagag agt	163
<210>	46	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> gcaaca	46 atgct ggcggagcac ccac	24
<210>	47	
<211>	22	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> atggct	47 Ettgc agagcactct gg	22
<210>	48	
<211>	19	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> gcctct	48 gcac ccatctcga	19
<210>	49	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	

# 263SESQ103GB.ST25 <220> <223> PCR primer <400> 49 gaggatgtgg agcagagtct tttc 24 <210> 50 <211> 24 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> cggccaccct gacctgcaac tata 24 <210> 51 <211> 25 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 51 gggaccccag cagggagacg ttgcc 25 <210> 52 <211> 24 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400>

<211> 24 <212> DNA

atgctcctgt tgctcatacc agtg

<210> 53

24

<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> cctgaa	53 agcc acgaaggctg atga	24
<210>	54	
<211>	21	
<212>	DNA	
<213>	Artificial sequence	
<220>		
	PCR primer	
<400> gcatct	54 gacg accttcttgg t	21
<210>	55	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> ccatga	55 tgcg gggactggag ttgc	24
<210>	56	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> cattcg	56 ttca aatgtgggcg aaaa	24
<210>	57	

# 263SESQ103GB.ST25 <211> 24 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 57 cagaagataa ctcaaaccca acca 24 <210> 58 <211> 21 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 58 agagtgactc agcccgagaa g 21 <210> 59 <211> 24 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 59 ccgggcagca gacactgctt ctta 24 <210> 60 <211> 24 . <212> DNA <213> Artificial sequence

Page 18

24

<220>

<400> 60

<223> PCR primer

tcgtcggaac tcttttgatg agca

<210>	61	
<211>	21	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> gtcttg	61 tggc ttcagcttgg c	21
<210>	62	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> tgcctc	62 gctg gataaatcat cagg	24
<210>		
<211>		
<212>		
<213>	Artificial sequence	
222		
<220>		
	PCR primer	
<400> gggagc	63 tctg ctggggctct tgag	24
<210>	64	
<211>	20	
<212>	DNA	
<213>	Artificial sequence	

\_

<220>

<223>	PCR primer	
<400> gcagct	64 tccc ttccagcaat	20
<210>	65	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
	PCR primer	
<400> ggagag	65 gact tcaccacgta ctgc	24
<210>	66	
<211>	21	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400>	66 tggc aagagtaact g	21
<210>	67	
	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
	PCR primer	
<400>	67 ggcc cagcctggtg atac	24
<210>	68	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	

<220>		
<223>	PCR primer	
<400> cagcaa	68 gtta agcaaaattc acca	24
<210>	69	
<211>	22	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> gccgtg	69 atcc tccgagaagg gg	22
<210>	70	
<211>	24	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> tgatga	70 tgct acagaaaggt gggg	24
<210>	71	
<211>	27	
<212>	DNA	
<213>	Artificial sequence	
<220>		
<223>	PCR primer	
<400> ggctgg	71 gaag tttggtgata tagtgtc	27
<210>	72	
<211>	21	

# 263SESQ103GB.ST25 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 72 atgatgaagt gtccacaggc t 21 <210> 73 <211> 24 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 73 agcagccaaa tccttcagtc tcaa 24 <210> 74 <211> 28 <212> DNA <213> Artificial sequence <220> <223> PCR primer <400> 74 aagacaaaaa ctccccatt gtgaaata 28 <210> 75 <211> 20 <212> DNA <213> Artificial sequence

20

<220>

<400> 75

<223> PCR primer

cagagttccc cggaccagac